

INTERNATIONAL SEARCH REPORT

PCT/JP 03/15949

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B82B3/00 H01L21/00 C30B29/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C B82B H01L C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 309 554 B1 (MASUDA HIDEKI ET AL) 30 October 2001 (2001-10-30) the whole document	1, 14
X	& PATENT ABSTRACTS OF JAPAN vol. 2000, no. 4, 31 August 2000 (2000-08-31) & JP 2000 002392 A (UNIV TOKYO), 7 January 2000 (2000-01-07) cited in the application abstract	1, 14
X	US 6 359 288 B1 (DRESSELHAUS MILDRED S ET AL) 19 March 2002 (2002-03-19) column 4, line 56 -column 5, line 60	1, 14
X	US 5 581 091 A (MOSKOVITS MARTIN ET AL) 3 December 1996 (1996-12-03) figure 1; example 1	1, 14
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the International search

8 April 2004

Date of mailing of the International search report

21/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/118027 A1 (MARDILOVICH PETER ET AL) 29 August 2002 (2002-08-29) the whole document -----	1,14
X	US 6 185 961 B1 (NGUYEN PAUL P ET AL) 13 February 2001 (2001-02-13) claims 17,18 -----	1,14
X	US 6 231 744 B1 (DRESSELHAUS MILDRED S ET AL) 15 May 2001 (2001-05-15) the whole document -----	1,14

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Information on patent family members

PCT/JP 03/15949

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6309554	B1	30-10-2001	JP 3020155 B2 JP 2000001392 A CA 2266803 A1	15-03-2000 07-01-2000 12-12-1999
US 6359288	B1	19-03-2002	US 6231744 B1 WO 9848456 A1	15-05-2001 29-10-1998
US 5581091	A	03-12-1996	NONE	
US 2002118027	A1	29-08-2002	NONE	
US 6185961	B1	13-02-2001	NONE	
US 6231744	B1	15-05-2001	US 6359288 B1 WO 9848456 A1	19-03-2002 29-10-1998